



Inland Navigation Safety

Systematic Safety Programs for Locks and Dams

Building Strong



Safety Moment - Safety in St. Louis

- Weather
- Nightlife
- Hotel Emergency/Evacuation
- Emergency Contact
- Buddy System





FY2010 Safety Programs Focus

1. Goals & Objectives
2. Training
3. Programmed Safety Inspections
4. PPE Policies
5. Fall Protection
6. Lifting Operations/Crane Safety
7. Scaffolding
8. Over-Water Ops



Systematic Safety Program

Goal: To develop a self-sustaining safety culture within the RPO/MVS over the next two years that embraces the aspects of employee involvement and management commitment to reduce waste, (injuries, incidents and inefficiencies) with regard to Lock and Dam Maintenance, Service Base Operations and hired labor crews.

Objectives:

1. Train our team members to recognize hazards and to provide the tools and resources to mitigate them.
2. Develop employee driven safety committees to self develop and manage their own(ed) programs.
3. Focus primarily on the OSHA Focus Four Hazards in the next two years.



Training

EM-385 / OSHA Rqmnts

- HAZCOM / MSDS
- Collateral Duty Safety Officer
- Harmful Plants & Animals
- Flammable / Toxic Materials
- Confined Space
- Other Specific Hazards that may be associated with work (crane certification, dive inspector, HAZWOPER, etc)

River's Project Office Initiatives

- OSHA 10-hr Certification for all maintenance, construction, floating plant and lock personnel
- OSHA 30-hr Certification for Supervisors
- See Training Agenda Handouts



Programmed Safety Inspections

- Developing Checklists to focus efforts/provide efficiency
- Targets various aspects of maintenance/ Lock & Dam environment on a weekly basis
- Weekly spot inspections roll into a monthly checklist.
- Verifies monthly items are inspected/tested
 - Fire Extinguishers
 - GFCI's
 - Access/Egress
 - Fall Protection Equipment
 - Cranes/Hoists
- Possibility of coordinating with CFEMS
- *Provides Lock and Dam involvement and self-management of their programs with regular spot inspections by Safety Personnel*



Inspection Checklists

- Database of 40+
- Consolidate to Top Ten
 - Locks and Dams (General)
 - Construction (General)
 - Scaffolds
 - Fall Protection
 - Floating Plant
 - Skiffs and Rescue Boats
 - Diving Ops
 - Equipment Operation
 - Hand and Power Tools
 - Welding Operations
- Checklist Basic Components
 - Housekeeping
 - Fire Protection
 - Fall Protection
 - Electrical Hazards
 - Struck-by Hazards
 - Caught-Between Hazards
 - AHA Analysis
 - Emergency Plan



PPE Policies

- EM-385 requires task-specific PPE only
- If not planned appropriately, this can be overlooked, especially when unplanned activities arise
- 100% or PPE Zones can prevent the unplanned issues of not having what you need.





Fall Protection

- Training
 - Recognizing Rqmnts
 - Proper Usage / Wear
- Planning
 - Guardrails/Restraint
 - PFAS
 - Horiz. /Vert. Applications
- Rescue Plans/
Rehearsals



Lifting Operations / Crane Safety



- 3rd Party inspections District-wide rather than locally procured
- Stringent Maint. Records
- Ensure Critical Lift Plans are performed and followed
- Extra requirements for personnel hoisting
- **Competent Person Required**



Scaffolding

- Proper Training
- Proper system / application set-up
- **Competent person Requirement**
- Erecting / Dismantling hazards
- Specific requirements for suspended / swing-stage scaffolding



Over-Water Ops

- Culmination of ALL safety training/hazards
- Includes Cold Water Survival
- Requires planned, trained and rehearsed rescue operations





Questions

- Summary:
 - Continuous improvement and communications are imperative
 - Standardization among sites within a District and Districts within the Division are paramount to USACE transparency and success
 - A systematic, culture-building approach is the foundation for protecting our greatest asset...PEOPLE.
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